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92			John Smith	
Pump 1		mp 2	Pump 3	
	Volume Rate Remaining mL/h mL	Volume Rate Remaining mL/h mL	Volume Rate Remaining mL/h mL	Malabakalashaha 125
-≪€	22.5 249.0 Dopamine	18.0	10.0	
_	6.0 75.0 Nitroglycerin 20mcg/min	Dobutamine 5mcg/kg/min	Heparin 1000units/hr	Manhahahaha
9	5.0 35.6 Maintenance	249.0 Time Remaining 13:54 h:min Remaining 13:54 h:min	Time Remaining 13:54 h:min	80 1 1 1 1 1
ار	Setup		Close	11/19/19/19/19/19/19/19/19/19/19/19/19/1
				112
		Pump: Air		White Millian Market College C
				Pump: Air 80 6
				80 Maly Sylmon Jon 80
] [\ \}_		60 January Many Many
				80 8 80 08 anharhan
				7.0

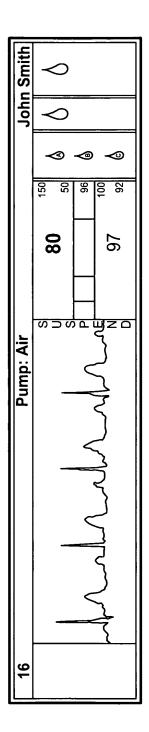


FIG. 74

FIG. 75

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						Near Miss			Med
									Error
		Total	Total	# Wrong # Wrong	# Wrong	# Wrong	# Wrong	# Wrong	# Wrong
		Administrations	Wrong	Drug	Patient	Time	Route	Dose	Dose
All Units	Total	750	861	41	25	LL	9	20	29
	Infusion	350	99	20	0	20	9	20	0
	Non-Infusion	400	201	21	0	<i>LS</i>	0	0	29
BCPS Demo	Total	450	102	77	12	84	3	20	7
Unit	Infusion	200	98	11	0	10	3	12	0
	Non-Infusion	250	85	13	0	38	0	0	7
BPCS Demo	Total	300	11	17	13	67	3	0	22
Unit2	Infusion	150	21	5	0	9	2	8	0
	Non-Infusion	150	67	8	0	61	0	0	22

					Near Miss			Med Error
	Total	Total		# Wrong		#Wrong #Wrong #Wrong #Wrong	# Wrong	# Wrong
	Administrations	Wrong	Drug	Patient	Lime	Koute	Dose	Dose
Total	450	901	24	12	48	3	12	7
Infusion	200	98	11	0	10	3	12	0
Non-Infusion	250	88	13	0	38	0	0	7

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Near Miss Summary by Med All Units Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

Medication Total Near Misses

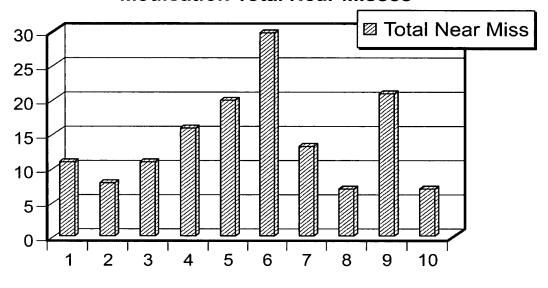
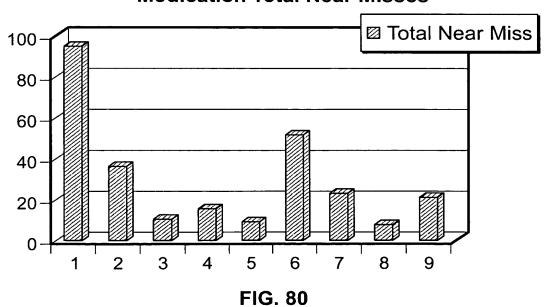


FIG. 78

Near Miss Unit Summary by Med BPCS Demo Unit Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

Medication Total Near Misses



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Total
Administrations
ł
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REPLACEMENT SHEET Attorney Docket No. EIS-6139 (1417G P 1047) Application No.: 10/822,559 Confirmation No.: 2934 Sheet 8 of 47 Sheets

				Near Miss	Miss		Med
							Error
	Total	Total	# Wrong	# Wrong # Wrong	# Wrong # Wrong		# Wrong
	Administrations	Wrong	Drug	Time	Route	Rate	Dose
1. Total	450	102	77	84	3	07	7
2. Infusions	200	98	11	10	3	12	0
3. Multiple Vitamin Inj.	66	11	l	3	. 2	5	0
4. Tapering	09	91	L	3	0	9	0
5. TPN	45	6	8	7	1	1	0
6. Non-Infusions	250	85	13	38	0	0	7
7. Acetaminophen 500	100	28	3	20	0	0	5
8. Hydrocortisone Cream 2.5%	90	6	7	ε	0	0	2
9. Insulin Regular (Human) Inj 100 U/ML	100	21	9	15	0	0	0

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Scan Errors	rrors			
	Group = Nurse – Hand Held (Hand Held)	(Hand Held)		QA Test Hospital
Personnel:	Andr., Andr Nurse – CPO Nurse – Hand Nurse – Inpat			
Time	System/Screen	Scan Error (Type/Error)	Expected	Actual
06-Nov-	06-Nov-2003 (Thursday) 15:37 Autros Hand Held /Handheld/eMar/EnterDrugQuantity.aspx	Item Scan ID Scanned barcode is invalid or inactive	102 Captopril Tab 50 MG CAPOTEN	106 Acetaminophen Soln 100 MG/ML ACETAMINOPHEN
24-Nov-; 13:31	24-Nov-2003 (Monday) 13:31 Autros Hand Held /Handheld/Shift/ShiftSelectPatients.aspx	Patient Locator Scanned Barcode is invalid or inactive.		b
28-Nov-: 15:33	28-Nov-2003 (Friday) 15:33 Autros Hand Held /Handheld/MixOnFloor/MixOnFloor/Getlte	Item Scan ID Scanned barcode is invalid or inactive.	106 Acetominophen Soln 100 409 Cefazolin Sodium for Inj MG/ML ACETAMINOPHEN CEFAZOLIN SODIUM	409 Cefazolin Sodium for Inj 10 GM LF CEFAZOLIN SODIUM
28-Nov- 15:36	28-Nov-2003 (Friday) 15:36 Autros Hand Held	Item Scan ID	8800006940	880006940
15:39	/Handheld/eMar/ScanIVBagForAdmin.as Autros Hand Held	Scanned barcode is invalid or inactive. Item Scan ID	8800006941	8800006941
15:41	/Handheld/eMar/Scanl V Bagf or Admin.as Autros Hand Held /Handheld/StopInfusion/StoppedInfusion	Scanned barcode is invalid or inactive. Item Scan ID Scanned barcode is invalid or inactive.	One of IV Bag IDs	88000006941
05-Jan- 2 11:19	05-Jan-2004 (Monday) 11:19 Autros Hand Held //Handheld/Shift/ShiftSelectPatients.aspx	Patient Locator Scanned barcode is invalid or inactive.		qa998
21-Jan-2 15:17	21-Jan-2004 (Wednesday) 15:17 Autros Hand Held /Handheld/eMar/ScanlvBagForAdmin.as	Item Scan ID Scanned barcode is invalid or inactive.	8800011408	8800011168
16:20	Held	Item Scan ID	11 Alprazolam Tab 2 MG(Bel) 102 Captopril Tab 50 MG	102 Captopril Tab 50 MG
16:20	Antros Hand Held /Handheld/eMar/Enter DrugQuantity.aspx	Scanned barcode is invalid or inactive.	ALPRAZOLAM (Bel)	9 Number of Errors: 10
		CO CAN		

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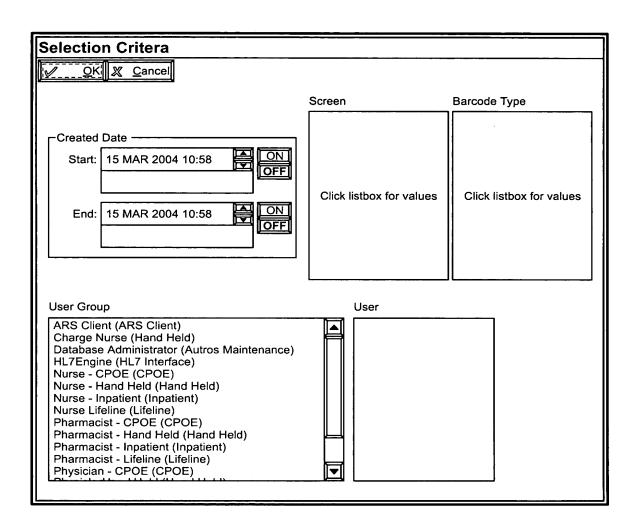
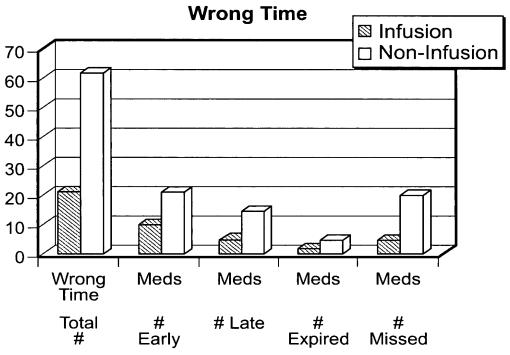


FIG. 83

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Near Miss Wrong Time Summary All Units Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM



Total Administrations: 546

FIG. 84

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		Total #	# Early	#Early #Late	# Expired	# Missed
		Wrong Time	Meds	Meds	Meds	Meds
All Units	Total	84	32	20	7	25
	Infusion	22	10	5	2	5
	Non-Infusion	62	22	15	5	20
BPCS Demo Unit	Total	51	21	15	3	12
	Infusion	11	9	2	1	2
	Non-Infusion	40	15	13	2	10
BPCS Demo Unit2	Total	33	11	5	4	13
	Infusion	11	4	3	1	3
	Non-Infusion	22	7	2	3	10
	The second secon					

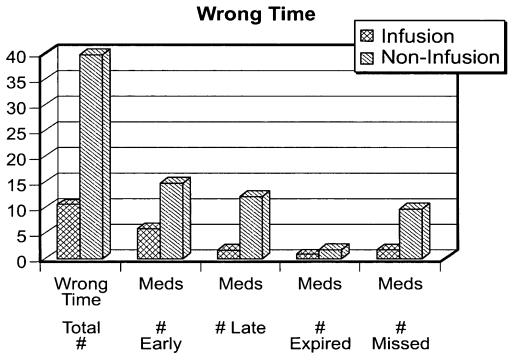
FICE S

	Total # Wrong Time	# Early Meds	# Late Meds	# Expired Meds	# Missed Meds
Total	51	21	15	3	12
Infusion	11	9	2	1	2
Non-Infusion	40	15	13	2	10

FIG. 87

REPLACEMENT SHEET
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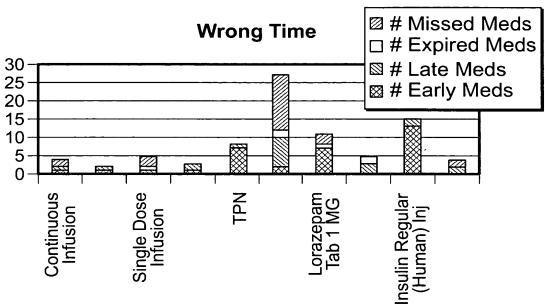
Near Miss Wrong Time Unit Summary BPCS Demo Unit Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM



Total Administrations: 160

FIG. 86

Wrong Time by Med All Units Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM



Total Administrations: 546

FIG. 88

Wrong Time by Med BPCS Demo Unit Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

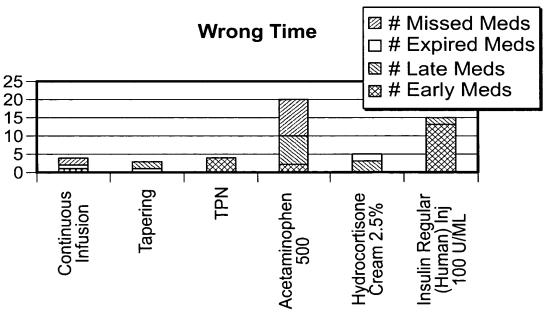


FIG. 90

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Total Infusions Continuous Infusion Continuous Infusion Continuous Titration Single Dose Infusion Tapering TPN Non-Infusions Acetaminophen 500 Lorazepam Tab 1 MG Hydrocortisone Cream 2.5% Insulin Regular (Human) Inj 100 U/ML Xylol Liq Total Infusions Continuous Infusion Tapering TPN Non-Infusions Acetaminophen 500 Hydrocortisone Cream 2.5% Insulin Regular (Human) Inj 100 U/ML Total Infusions Continuous Titration Single Dose Infusion TPN TPN Total Infusions Total Infusions TPN Non-Infusions Acetaminophen 500 Acetaminophen 500 Lorazepam Tab 1 MG Lorazepam Lorazepam Tab 1 MG L			Total #	# Early	# Late	# Expired	# Missed
mo Unit		i	Wrong Time	Meds	Meds	Meds	Meds
mo Unit			84	32	20	7	25
l			22	10	3	2	8
	Continuous Infusion		4	1	0	1	2
	Continuous Titration		2	1	1	0	0
l N	Single Dose Infusion		5	0	1	1	3
	Tapering		3	1	2	0	0
l A	TPN		8	7		0	0
l A	Non-Infusions		62	22	15	2	07
l 2	Acetaminophen 500		27	2	8	2	51
l 0	Lorazepam Tab 1 MG		11	7	0		8
1 ~	Hydrocortisone Cream 2.	2%	5	0	3	2	0
	Insulin Regular (Human)	Inj 100 U/ML	15	13	7	0	0
~	Xylol Liq		4	0	2	0	2
1 2			51	21	\$1	3	71
			11	9	7	1	7
	Continuous Infusion		4	1	0	1	2
	Tapering		3	1	2	0	0
	TPN		4	4	0	0	0
	Non-Infusions		40	15	13	2	10
	Acetaminophen 500		20	2	8	0	10
	Hydrocortisone Cream 2.	5%	5	0	3	2	0
	Insulin Regular (Human)	Inj 100 U/ML	15	13	2	0	0
			33	11	5	4	13
Continuous Tirration Single Dose Infusion TPN Non-Infusions Acetaminophen 500 Lorazepam Tab 1 MG			11	4	3	1	3
Single Dose Infusion TPN Non-Infusions Acetaminophen 500 Lorazepam Tab 1 MG	Continuous Titration	:	2	1	1	0	0
TPN Non-Infusions Acetaminophen 500 Lorazepam Tab 1 MG	Single Dose Infusion		5	0	1	1	8
Non-Infusions Acetaminophen 500 Lorazepam Tab 1 MG	TPN		4	3	1	0	0
Acetaminophen 500 Lorazepam Tab 1 MG	Non-Infusions		22	7	7	3	10
Lorazepam Tab 1 MG	Acetaminophen 500		7	0	0	2	5
	Lorazepam Tab 1 MG		11	7	0	1	3
Xylol Liq	Xylol Liq		4	0	2	0	2

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	Total # Wrong Time	# Early Meds	# Late Meds	# Expired Meds	# Missed Meds
Total	51	21	15	3	12
Infusions	11	9	2	-	2
Continuous Infusion	4	1	0	1	2
Tapering	3	1	2	0	0
TPN	4	4	0	0	0
Non-Infusions	40	15	13	2	10
Acetaminophen 500	20	2	8	0	10
Hydrocortisone Cream 2.5%	5	0	3	2	0
Insulin Regular (Human) Inj 100 U/ML	15	13	2	0	0

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Wrong Time with Reason Code Report

BPCS Demo Unit

Reason	Patient	RX	Order	Admin Time	Nurse
			Admin Time		
Early Medication Administrations	n Administ	rations			
Acetaminopnen	בידו סכיו	1 CAD(c) Administered A cotominouhon Con 500 MG	03 Mar 2004	03 Mar 2004	NITESEE
As per min	FILOCI	1 CAT (s) Administrated Accediminguisti Cap 200 Mio 500 MG = 1 CAP Oral New	10:59	09:22:14	INCINSED
Other	ETLOC1	1 CAP(s) Administered Acetaminophen Cap 500 MG	04-Mar-2004	04-Mar-2004	CHNURSE
		500 MG = 1 CAP Oral New	14:15	13:05 Total Early	2
Late Medication Admnistrations	Admnistra	ations		7	
Acetaminophen					
Patient	pid04	1 CAP(s) Administered Acetaminophen Cap 500 MG	03-Mar-2004	03-Mar-2004	NURSEA
unavailable at scheduled time		500 MG = 1 CAP Oral New	10:59	11:22:14	
Other	LZ001	1 CAP(s) Administered Acetaminophen Cap 500 MG 500 MG = 1 CAP Oral New	04-Mar-2004	04-Mar-2004	CHNURSE
Multiple Vitamin Ini	n Ini) :		
Patient	FTLOCI	Continuous Infusion	03-Mar-2004	03-Mar-2004	NURSEB
unavailable at		*Multiple Vitamin Inj** 20 ML	10:59	11:22:14	
scheduled time		WR13_Water for IV Injection			
		L = 2000 IML			
		Route: Intravenous Flow Rate: 250ML/H			
		Estimated Administration Period: 8 Hours			
				Total Late	3
Expired Medication Administrations	tion Admin	istrations			
Acetaminophen					
Still Required	newp2	1 CAP(s) Administered Acetaminophen Cap 500 MG 500 MG = 1 CAP Oral New	03-Mar-2004 10:59	03-Mar-2004 12:45-14	FNURSE
				Total Expired	1

FIG. 92

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Missed Medication Administrations	ations	
Acetaminophen		
newp2	1 CAP(s) Administered Acetaminophen Cap 500 MG 500 MG = 1 CAP Oral New	03-Mar-2004 09:45
FTLOCI	1 CAP(s) Administered Acetaminophen Cap 500 MG 500 MG = 1 CAP Oral New	03-Mar-2004 13:00
LZ001	1 CAP(s) Administered Acetaminophen Cap 500 MG 500 MG = 1 CAP Oral New	03-Mar-2004 17:45
Multiple Vitamin Inj		
ETLOCI	ETLOC1 Continuous Infusion	03-Mar-2004
	Simp Continuous Infusion	11:00
	*Multiple Vitamin Inj** 100 ML	
	Route: Intravenous Flow Rate: 50ML/H	
	Line: Lne3 Site: tail	
	Estimated Administration Period: 2 Hours	
ETLOC1	Continuous Infusion	03-Mar-2004
	Simp Continuous Infusion	13:00
	*Multiple Vitamin Inj** 100 ML	
	Route: Intravenous Flow Rate: 50ML/H	
	Line: Lne3 Site: tail	
	Estimated Administration Period: 2 Hours	
		Total Missed 5

FIG. 93

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Infusion Flow Rate History

Run Period: from 8/14/2003 12:00:00AM to 3/2/2004 12:00:00AM

	Occurrence Date	Pump Mode	Pump Status	Rate (mL/H)
Unit AUTROS DEMO UNIT	.Pd			
Nurse Tech, Cori				
RX 197780	Continuous Infusion			
	*Multiple Vitamin Inj**			
	10 ML			
	Route: Injection Flow Rate: 10ML/H			
	Estimated Administration Period: 1 Hour			
751697	1/14/2004 1:10:58PM	Primary	Stopped	20.00
	1/14/2004 2:50:49PM	Primary	Stopped	0.00
	1/14/2004 2:51:04PM	Primary	Stopped	20.00
RX 199997	Continuous Infusion			
	*Multiple Vitamin Inj**			
	9999 ML			
	Route: Injection Flow Rate: 1200ML/H			
	Estimated Administration Period: 5 Hours			
	1/23/2004 2:08:40PM	Primary	Standby mode	100.00
	1/23/2004 2:08:49PM	Primary	Stopped	100.00
	1/23/2004 2:08:58PM	Primary	Stopped	52.00
	1/23/2004 2:11:36PM	Primary	Standby mode	52.00
	1/23/2004 2:32:30PM	Primary	Stopped	52.00
	1/23/2004 2:32:51PM	Primary	Stopped	555.00
	1/23/2004 2:34:06PM	Primary	Standby mode	555.00

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Colleague Infusion Rate and Mode Comparison Summary

All Units

Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

				R	Rate		Mode
		Total	#	# Resolved	# Accepted	0N#	#
			Matches	Mismatches	Mismatches	Comparisons	Mismatches
Total Infusions for All Units	Total	114	62	20	20	32	87
	Primary	62	35	13	14	13	11
	Piggyback	52	27	7	9	61	41
BPCS Demo Unit Total Infusions	Total	25	30	12	7	18	91
	Primary	35	20	7	\$	10	7
	Piggyback	20	01	5	2	8	12
BPCS Demo Unit2 Total Infusions	Total	65	32	8	£I	14	17
	Primary	27	15	9	6	3	L
	Piggyback	32	17	2	7	11	\$

FIG. 95

Colleague Infusion Rate and Mode Comparison Unit Summary

BPCS Demo Unit

Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

			R	Rate		Mode
	Total	#	# Resolved	# Accepted	# No	#
		Matches	Mismatches	Mismatches	Comparisons	Mismatches
Total Infusions	55	30	12	7	18	16
Primary	35	20	2	5	10	4
Piggyback	20	10	5	2	8	12

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Infusion Flow Rate Comparison

Run Period: From 8/24/2003 12:00:00AM to 3/11/2004 12:00:00AM

	;	Total	1. No Match	2. Match	3. No Comparison
Total		32	9	2	28
*AUTROS	Unit	52	9	2	28
DEMO UNIT*	Primary	35	5	2	28

FIG. 97

Colleague Infusion Rate Comparison Summary by Med

All Units

Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

relion. From 5/1/2004 12	14 12:00:00AIM to 3/4/2004 12:00:00AIM					
				1	Rate	
		Total	#	# Resolved	# Accepted	# No
		Infusions	Matches	Mismatches	Mismatches Mismatches	Comparisons
All Units	Total	114	62	20	20	32
	Bel's Morphine Sulfate Inj 2MG/ML	14	7	1	8	4
	Continuous Titration	15	4	3	2	6
	Multi Vitamin Inj	17	9	4	4	7
	Tapering	42	30	7	3	9
	NdL	26	15	5	8	3
BPCS Demo Unit Total	Total	25	30	12	7	18
	Bel's Morphine Sulfate Inj 2MG/ML	14	7	1	3	4
	Tapering	42	30	7	3	6
	NAL	18	10	2	4	2
BPCS Demo	Total	65	32	8	13	. 14
Unit2	Continuous Titration	15	4	3	2	9
	Multi Vitamin Inj	11	9	4	4	7
	NAL	20	5	3	4	1

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Colleague Infusion Rate Comparison Summary by Med

BCPS Demo Unit

Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

				Rate	
	Total	#	# Resolved	# Accepted	0N#
	Infusions	Matches	Mismatches	Mismatches	Comparisons
Total	55	30	12	L	18
Bel's Morphine Sulfate Inj 2MG/ML	14	· <i>L</i>	1	3	4
Tapering	42	30	7	3	6
TPN	18	01	2	4	2

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Infusion Flow Rate Comparison

Run Period: From 8/24/2003 12:00:00AM to 3/11/2004 12:00:00AM

		Total	1. No Match	2. Match	3. No Comparison
Total		35	5	2	28
*AUTROS	Unit	35	5	2	28
DEMO UNIT*	Primary	35	5	2	28

			Total	1. No Match	2. Match	3. No Comparison
Total			35	5	2	28
*AUTROS	Unit Total:		35	5	2	28
DEMO UNIT*	Continuous Infusion *Multiple Vitamin Inj**	Total	15	5	1	9
01.22	10 ML Route: Injection Flow	Primary	15	5	1	9
	Continuous Infusion *Multiple Vitamin Inj**	Total	3	0	0	3
	10 ML Route: Intramuscular	Primary	3	0	0	3
	Continuous Infusion *Multiple Vitamin Inj**	Total	7	0	0	7
	9999 ML Route: Injection Flow	Primary	7	0	0	7
	Continuous Infusion Morphine Sulfate Inj 15	Total	5	0	1	4
	Continuous Infusion Morphine Sulfate Inj 15	Total	5	0	1	4
	MG/ML 45 MG = 9 ML	Primary	5	0	1	4
	Continuous Infusion Morphine Sulfate Inj 15	Total	2	0	0	2
	MG/ML *short 10 G = 0.667 ML	Primary	2	0	0	2
	Continuous Infusion Morphine Sulfate Inj 15	Total	3	0	0	3
	MG/ML *short 10 G = 0.667 ML	Primary	3	0	0	3

FIG. 100

Infusion Flow Rate Comparison Run Period: From 8/14/2003 12:00:00AM to 3/1/2004 12:00:00AM

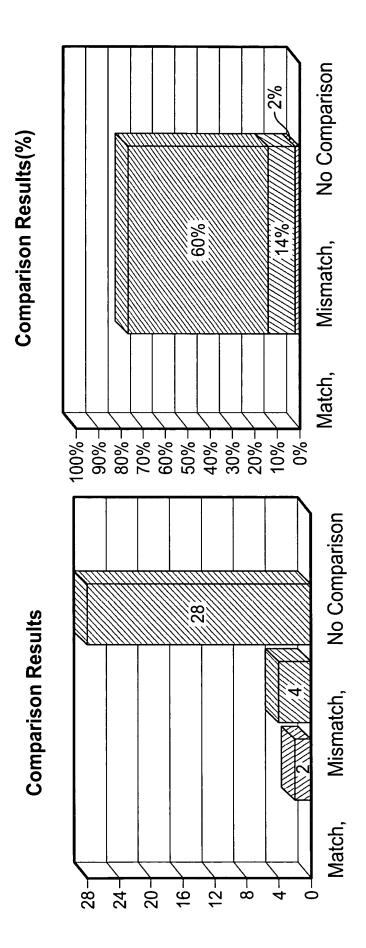


FIG. 101

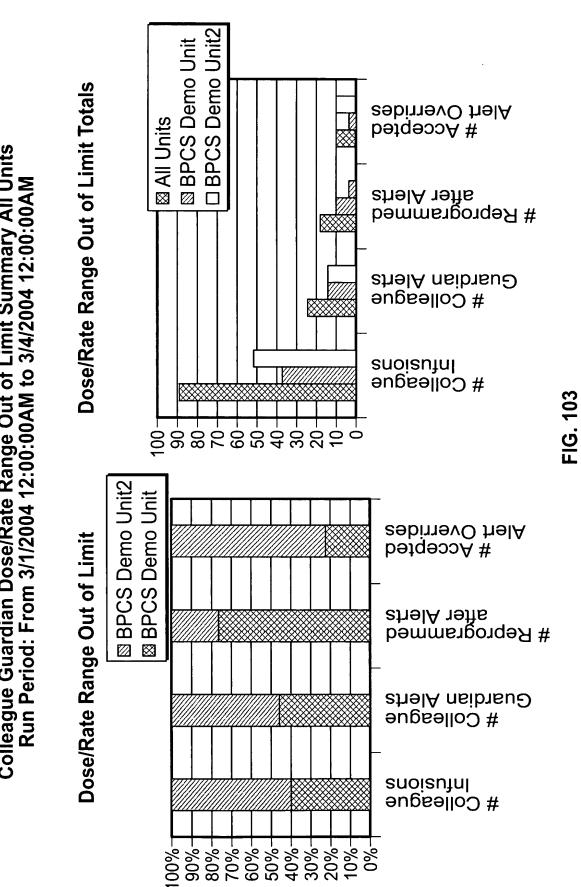
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	Pump Mode	Rx Rate	Pump Rate (Comparison Result	Date/Time
Unit *	*AUTROS DEMO UNIT*	UNIT*			
Nu	Nurse: Nurse, Mary				
	Patient: Palm, Father	, Father			
	R X	206180	Continuous Infusion		
			*Multiple Vitamin Inj**		
			10 ML		
			Route: Intramuscular Flow Rate: 10 ML/H	ML/H	
			Estimated Administration Period: 1 Hour	Iour	
781396	Primary		N 555 N	No Comparison	2/10/2004 10:57:23AM
	RX	206180	Continuous Infusion		
			*Multiple Vitamin Inj**		
			10 ML		
			Route: Intramuscular Flow Rate: 10 ML/H	ML/H	
			Estimated Administration Period: 1 Hour	Iour	
781396	Primary		555	No Comparison	2/10/2004 11:41:02AM
	RX	206180	Continuous Infusion		
			*Multiple Vitamin Inj**		
			10 ML		
			Route: Intramuscular Flow Rate: 10 ML/H	ML/H	
			Estimated Administration Period: 1 Hour	Hour	
781397	Primary		555	No Comparison	2/10/2004 11:58:06AM
	Patient: AUTROS, I	ROS, Pt1			
	RX	RX 205182	Continuous Infusion		
			Morphine Sulfate Inj 15 MG/ML *short	ort	
			10 GM = 0.667 ML		
			To be Administered Over 10 Minutes	10	
			Route: Injection Estimated Flow Route: 4 ML/H	ite: 4 ML/H	
776327	Primary		555	No Comparison	2/6/2004 10:55:19AM
776327	Primary		555	No Comparison	2/6/2004 10:55:22AM

FIG. 102

Nurse: Tech, Cori Patient: AUTROS, Pt1

Colleague Guardian Dose/Rate Range Out of Limit Summary All Units Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM



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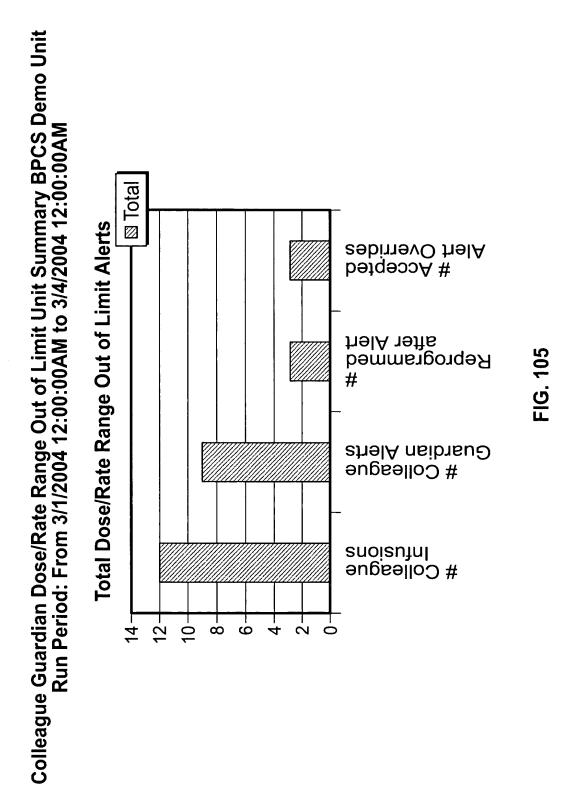
10

Reprogrammed # Accepted Alert after Alerts Overrides 15 3 တ # Colleague Guardian 4 3 **Alerts** # Colleague Infusions 35 83 54 **BPCS Demo Unit2 BPCS Demo Unit**

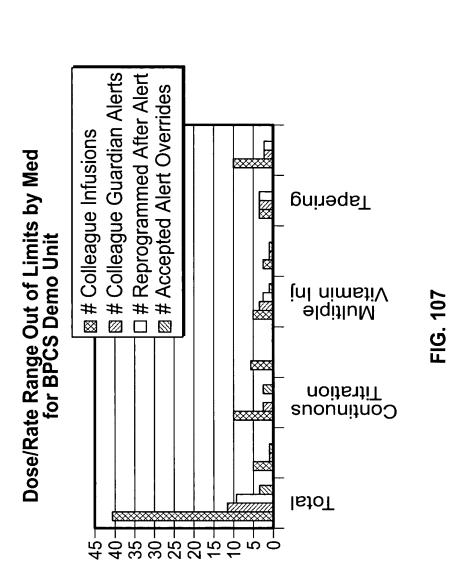
FIG. 104

	# Colleague Infusions	# Colleague Guardian Alerts	# Colleague # Colleague # Reprogrammed # Acc	# Accepted Alert Overrides
Total	12	6	3	E

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Colleague Guardian Dose/Rate Range Out of Limit Unit Summary BPCS Demo Unit Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM



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	igue lian	# Colleague	# Colleague Guardian	# Colleague Guardian # Reprogrammed Alert	# Accepted Alert
Fnarmacy Label	Label		Alerts		Overrides
Total		41	15	6	3
Bel's Morphine Sulfate Inj 2 MG/ML	MORPHINE	5	1	1	0
Continuous Titration	DOBUTAMN	10	2	0	2
Dopamine HCI Inj 40MG/ML		9	0	0	0
Multiple Vitamin Inj	ANTIBIOT	2	8	2	-
Tapering	DOPAMINE	2	l .		0
Tapering	FLUORUOR	3	3	3	0
NdL	TPN	10	2	2	0

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Colleague Alarms/Alerts Summary All Units Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

Total Alarms & KVO Alerts

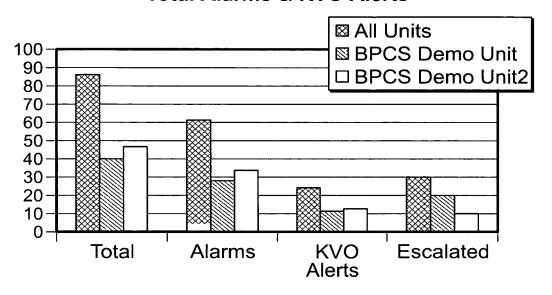


FIG. 109

Colleague Alarms/Alerts Summary BPCS Demo Unit Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

Total Alarms/Alerts for BPCS Demo Unit

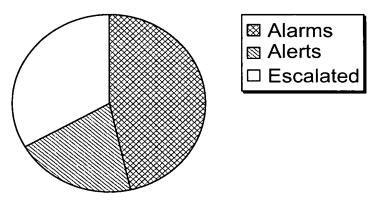


FIG. 111

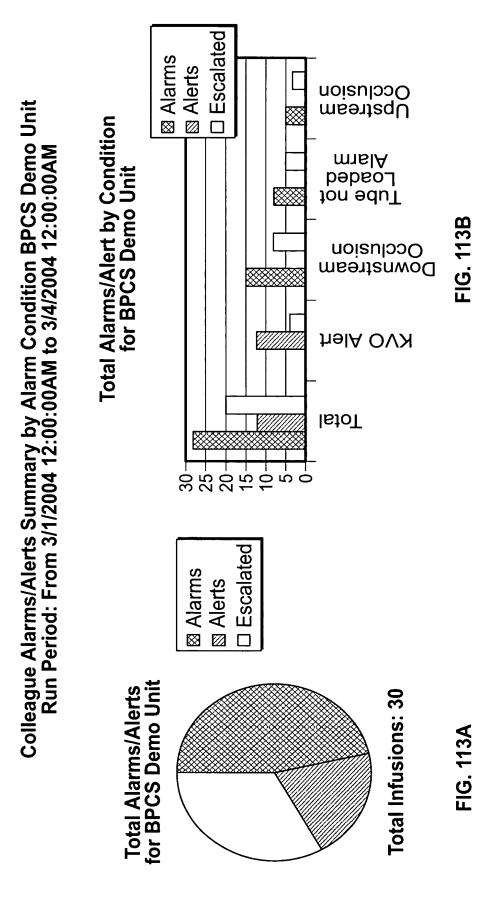
REPLACEMENT SHEET Attorney Docket No. EIS-6139 (1417G P 1047) Application No.: 10/822,559 Confirmation No.: 2934 Sheet 32 of 47 Sheets

	Total Infusions	Alarms/Alerts # Total	# Alarms	# # # # Alarms KVO Alerts Escalated		*Avg Time to Resolve (mm:ss)
All Units	50	28	62	25	30	2:23
BPCS Demo Unit	30	40	28	12	20	2:15
BPCS Demo Unit2	20	4 7	34	13	10	2:30

FIG. 110

Total	#	# KVO	#	*Avg Time
	Alarms	Alerts	Escalated	to Resolve (mm:ss)
40	28	12	20	2:15

FIG. 112



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Total Infusions: 30

Alarm Condition	Total # KVO Alarms/Alerts Alarms Alerts	# Alarms	# KVO Alerts	# Escalated	Avg Time to Resolve (mm:ss)
Total	40	28	12	20	2:15
KVO Alert	12	0	12	4	0:45
Downstream Occlusion	15	15	0	8	3:45
Tube not Loaded Alarm	8	8	0	9	1:10
Upstream Occlusion	2	2	0	3	1:35

FIG 114

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FIG. 115B

FIG. 115A

%9 Unicorn(1), PDA(2), Channel(3), Pump(4) History of Pump Alarms KVO Alerts, and Resolutions (by Alarm/KVO Alert Code) Run Period: From 8/14/2003 12:00:00AM to 3/1/2004 12:00:00AM Alarms/Alerts by Device (%) 21% 90% - 70% - 100%-120 112 Alarms/Alerts by Code Alarm/Alert Code 101 100 9 51 707 -09 50-40-30-

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Alarm Description	Channel Stopped Alert	Tube Not Loaded Alarm	Downstream Occlusion Alarm	PDA Loss of Communication	Unicorn Loss of Communication	Unicorn is initiating power-down	Pump Communication Lost Alarm
Code	3	51	09	100	101	112	120

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Alarm, KVO Alert 3	Channel S	Channel Stopped Alert		
Unit: *AUTROS DEMO UNIT*	EMO UNIT*			
Patient Name	AUTROS, Pt1	S, Pt1		
Nurse:	e: Nurse, Mary	ary		
	RX In	RX Intermittent Infusion	Ti-	
	<u>Z</u>	Morphine Sulfate Inj 15 MG/ML	nj 15 MG/ML	
	15	15 MG = 1 ML	•	
	<u>~</u>	oute: Injection F	Route: Injection Flow Rate: 1.5 ML/H	
		timated Adminis	Estimated Administration Period: 40 Minutes	
	<u>—</u>	Every 1 Hour		
1 A00000085	Channel	Primary	9/26/2003	
	RX C	RX Continuous Infusion	u	
	*	*Multiple Vitamin Inj**	Inj**	
	66	9999 ML		
	<u></u>	oute: Injection F	Route: Injection Flow Rate: 1200 ML/H	
		timated Adminis	Estimated Administration Period: 5 Hours	
1 A00000047	Channel	Primary	Primary 1/23/2004 2:32:33PM	1/23/2004 2:32:50PM
1 A00000047	Channel	Primary	1/23/2004 2:33:48PM	
Total for Alarm, KVO Alert# 3		Channel Stopped Alert	d Alert	3
Alarm, KVO Alert 51		Tube Not Loaded Alarm		
Unit: *AUTROS DEMO UNIT*	EMO UNIT*			
Patient Name	AUTROS, Pt1	S, Pt1		
Nurse:	e: Tech, Cori	÷		

FIG. 117

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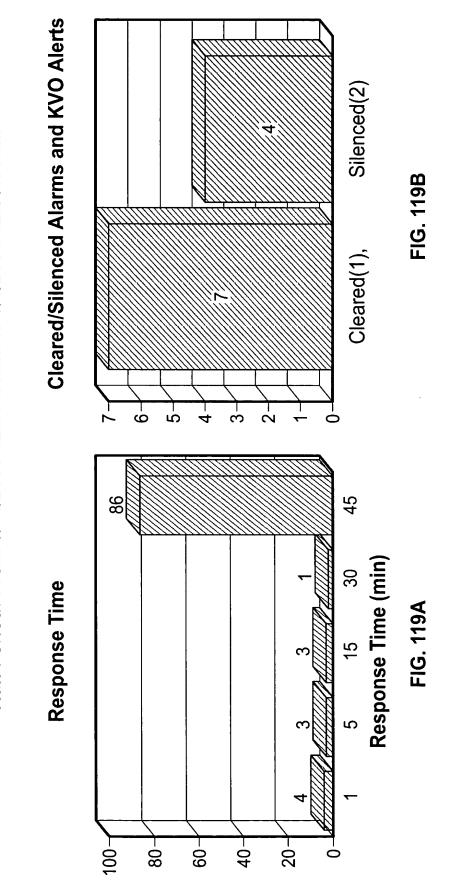
History of Alarms/Alerts and Resolutions (by Alarm/Alert)

Run Period: from 8/14/2003 12:00:00AM to 3/1/2004 12:00:00AM

Esc. Level	Source	Device	Mode	Occurrence Time	Cleared Time	Silenced Time
		RX Co	RX Continuous Infusion	U(
		* *	*Multiple Vitamin Inj**	Inj**		
		66	9999 ML			
		Ro	ute: Injection F	Route: Injection Flow Rate: 1200 ML/H		
		Est	timated Adminis	Estimated Administration Period: 5 Hours		
0	A00000047	Channel	Primary	Primary 1/23/2004 2:32:51PM 1/23/2004 2:32:52 PM	1/23/2004 2:32:52 PM	
Total for Alai	otal for Alarm, KVO Alert# 51		Tube Not Loaded Alarm	led Alarm		
_						

Alarm Description	Channel Stopped Alert	Tube Not Loaded Alarm	Downstream Occlusion Alarm	PDA Loss of Communication	Unicorn Loss of Communication	Unicorn is initiating power-down	Pump Communication Lost Alarm
Code	3	51	09	001	101	112	120

History of Pump Alarms KVO Alerts, and Resolutions (by Cleared/Silence Time) Run Period: From 8/14/2003 12:00:00AM to 3/1/2004 12:00:00AM

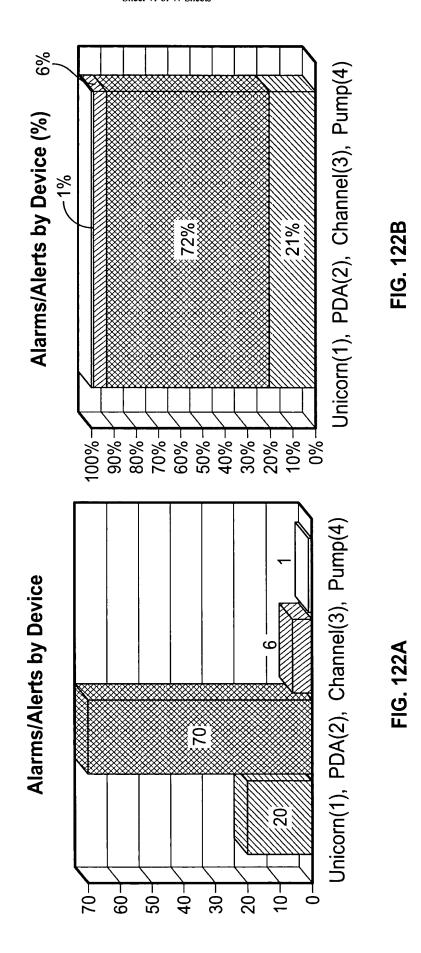


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Esc. Level Source Device N	Mode	Occurrence	Cleared	Silenced
Clearance/Silenced time up to: 1(min.)				
Unit: *AUTROS DEMO UNIT*				
Patient Name AUTROS, Pt1	Pt1			
Nurse: Nurse, Mary	5.			
RX Intermittent Infusion	nt Infusio	u		
Morphine	Sulfate In	Morphine Sulfate Inj 15 MG/ML		
15 MG = 1 ML	1 ML			
Route: Inj	ection Fl	Route: Injection Flow Rate: 1.5 ML/H		
Estimated	Administ	Estimated Administration Period: 40 Minutes		
Every 1 Hour	Iour			
0 A00000085 Channel Pri	Primary	9/26/2003 1:09:44PM		9/26/2003 1:09:50PM
1 A00000085 Channel Pr	Primary	9/26/2003 12:17:51PM	9/26/2003 12:17:55PM	
RX Continuous Infusion	us Infusion	ı		
*Multiple Vitamin Inj**	Vitamin	mj**		
TW 6666				
Route: Inj	ection Fl	Route: Injection Flow Rate: 1200 ML/H		
	Administ	Estimated Administration Period: 5 Hours		
0 A00000047 Channel Pri	Primary	1/23/2004 2:32:51PM	1/23/2004 2:32:52PM	
Channel	Primary	1/23/2004 2:32:33PM		1/23/2004 2:32:50PM
Total Clearance/Silenced time up to: 1(min.)	(4
Clearance/Silenced time up to: 5 (min.)				
Unit:				
Patient Name				
Nurse:				
RX			=	
1 UnicomPE102 Unicom		2/12/2004 12:46:04PM	2/12/2004 12:48:04PM	
1 UnicomPE103 Unicom		2/12/2004 12:46:12PM	2/12/2004 12:50:12PM	
1 UnicomPE216 Unicom		2/12/2004 12:46:21PM		2/12/2004 12:50:21PM
Total Clearance/Silenced time up to: 5(min.)	(3

FIG. 121

History of Pump Alarms KVO Alerts, and Resolutions (by Unit) Run Period: From 8/14/2003 12:00:00AM to 3/1/2004 12:00:00AM



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Esc. Level	Source	Device	Mode	Occurrence Time	Cleared Time	Silenced Time
	Unit: *AU	TROS DEM	O UNIT*			<u> </u>
	Patie	nt Name	AUTROS ,	Pt1		
			Nurse, Mar			
			rmittent Infi			
				te Inj 15 MG/ML		
			MG = 1 ML	T1 D 4 15 M		
				Flow Rate: 1.5 Mlinistration Period: 4		
			mated Adm	mistration Feriod. 4	o Minutes	
Alarm/Al	ert # 60 Down			n		
0	A00000085	Channel	Primary	9/26/2003		9/26/2003
·	1.20000000	V 11		1:09:44PM		1:09:50PM
Alarm/Al	ert #3 Chan	nel Stopped	Alert	In	·	
1	A00000085	Channel	Primary	9/26/2003		
Alarm/Al	ert # 60 Down					
1	A00000085	Channel	Primary	9/26/2003	9/26/2003	
				12:17:51PM	12:17:55PM	· · · · · · · · · · · · · · · · · · ·
			tinuous Infu			
			ultiple Vitan 9 ML	un inj**		
				Flow Rate: 1200 I	AT /H	
				inistration Period: 5		
Alarm/Al	ert #51 Tube					
0	A0000047	Channel	Primary	1/23/2004	1/23/2004	
			_	2:32:51PM	2:32:52PM	
Alarm/Al		nel Stopped		· · · · · · · · · · · · · · · · · · ·		
1	A00000047	Channel	Primary	1/23/2004		
			<u> </u>	2:33:48PM		
	ert # 3 Chan A00000047			1/22/2004		1/22/2004
1	A00000047	Channel	Primary	1/23/2004 2:32:33PM		1/23/2004 2:32:50PM
	Unit:		<u> </u>	2.32.33FW		2.32.30FW
		nt Name				<u> </u>
	Taller	Nurse:				
		11000	RX			
Alarm/Al	ert # 101 Unio	corn Loss of		ation	· · · · · · · · · · · · · · · · · · ·	
1	UNICORN1	Unicorn		8/28/2003		_
Alarm/Al	ert # 101 Unio		Communic			
1	UN	Unicorn		8/29/2003		
	ert # 101 Unio		Communic			
1	Unicorn1	Unicorn		2/12/2004		2/12/2004
				12:45:36PM		12:50:36 PM
	ert # 101 Unio		Communic	T		
1	Unicorn1	Unicorn		2/12/2004		
			L	12:45:36PM		

FIG. 123

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Colleague Alarms/Alerts Summary by Med All Units Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM

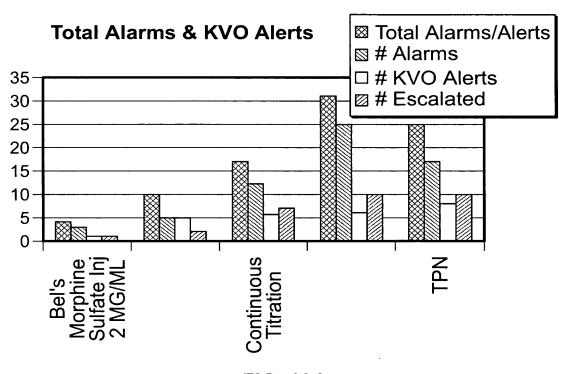


FIG. 124

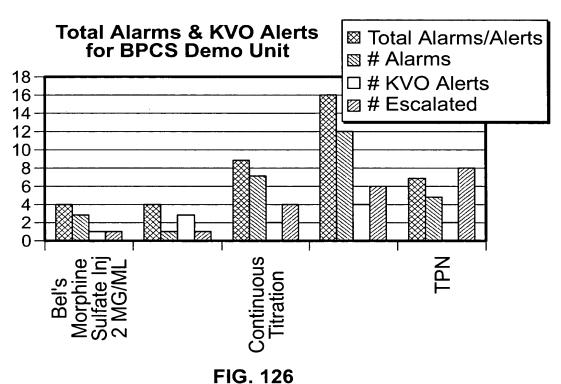
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		Total Infusions	Total Alarms/ Alerts	# Alarms	# KVO Alerts	# Escalated	Avg Time to Resolve (mm:ss)
All Units	Total	50	87	62	25	30	3:22
	Bel's Morphine Sulfate Inj 2 MG/ML	3	4	ε	1	1	1:15
	Multiple Vitamin Inj	10	10	2	5	2	2:30
	Continuous Titration	12	11	12	5	7	1:50
	Tapering	10	31	25	9	10	2:45
	Ndl	15	52	11	8	10	2:13
BPCS Demo Unit	Total	30	40	28	12	20	4:15
	Bel's Morphine Sulfate Inj 2 MG/ML	ဗ	4	3	—	-	1:15
	Multiple Vitamin Inj	7	4	1	3	1	1:20
	Continuous Titration	10	6	2	2	4	2:45
	Tapering	5	16	12	4	9	1:30
	NdT	2	2	9	2	8	1:10
BPCS Demo Unit2	Total	20	47	34	13	10	2:30
	Multiple Vitamin Inj	3	9	7	2	1	3:10
	Continuous Titration	2	8	9	3	8	1:12
	Tapering	9	15	13	2	4	2:15
	TPN	10	18	12	9	2	1:30

FIG. 129

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Colleague Alarms/Alerts Summary by Med BPCS Demo Unit Run Period: From 3/1/2004 12:00:00AM to 3/4/2004 12:00:00AM



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	Total Infusions	Total Alarms/ Alerts	# Alarms	# # # Alarms KVO Alerts Escalated	# Escalated	Avg Time to Resolve (mm:ss)
Total	30	40	28	12	20	4:15
Bel's Morphine Sulfate Inj2 MG/ML	3	4	8	L	1	1:15
Multiple Vitamin Inj	2	4	1	3	1	1:20
Continuous Titration	10	6	2	2	4	2:45
Tapering	9	16	15	4	6	1:30
TPN	5	7	5	2	8	1:10

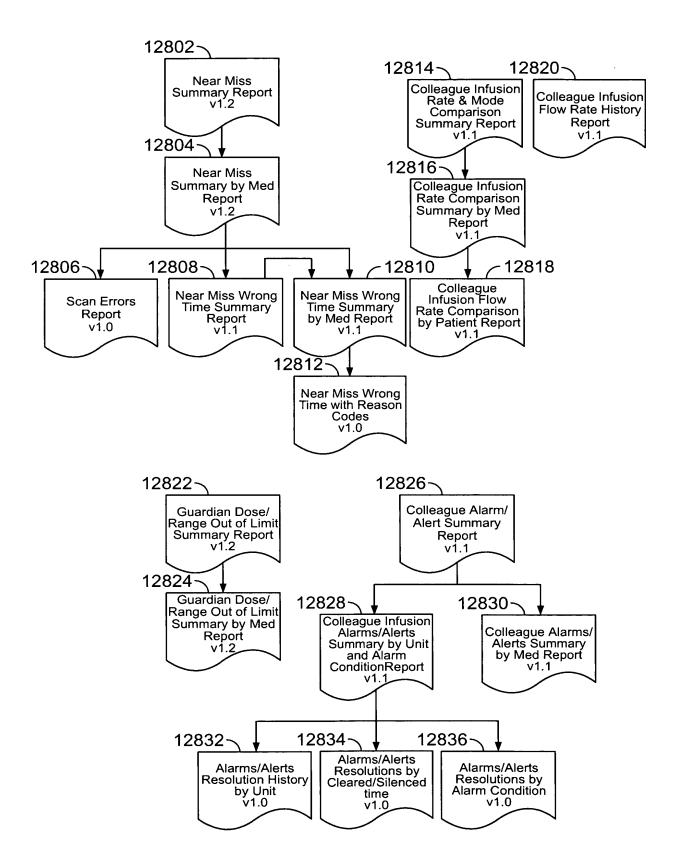


FIG. 128